Table A.3.12. Central Yard AOC 32 Summary of Boring Log and Analytical Data

Boring/ Date/ Report	Total Depth of Boring	Depth to Water[1]	Lithologic Description[2] (Observation Notes)	Maximum PID Response, ppm_v (Depth)	Sample Type[3]	Sample ID (Depth)	Analyses[4]	COC Concentrations Greater Than Delineation Criteria
S0751/ MW111 7/11/02 Full RFI AOC 32	20	13	Sand: 0-2 Silt: 2-6 Clay: 6-20	2.5 (10-10.5)	P,U, F	S0751A2 (0.5-1)	V, S, M	None
					P, U, N	S0751D3 (7-7.5)	V,S, M, SPLP metals	None
					P, S, N	S0751H1 (14-14.5)/ DO711022 (dup)	V,S, M	None
					Water	MW111 10/28/02	V, S, M, water quality	Nickel: 190 ug/L Cobalt: 224 ug/L Thallium: 11.2J ug/L
S0750/ MW110 7/15/02 Full RFI AOC 32	16	--	Silt: 0.5-8 (asphalt fragments at 0.5-1) Clay: 8-12 Sand: 12-14 Clay: 14-16	19 (11.5-12)	P, U, F	S0750A4 (1.5-2)	V,S,M	None
					P, U, F	S0750C3 (5-5.5)	V, S, M, Phys. Char.	None
					P, U, F	S0750C4 (5.5-6)	M, SPLP metals	None
					P, U, N	S0750H3 (15-15.5)	V,S,M	Iron: 46600 mg/kg Manganese: 2470 mg/kg
					Water	MW110 10/24/02	V, S, M, water quality	Lead: 11.3J ug/L
S0749 8/6/02 Full RFI AOC 32	15	--	Fill: 0-12 Clay: 12-15	1.4 (7.5-8)	P, U, F	S0749A4 (1.5-2)	V, S, M	Iron: 31100 mg/kg
					P, U, F	S0749D4 (7.5-8)	V, S, M	None
					P, U, N	S0749H2 (14.5-15)	V, S, M	None

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Boring/ Date/ Report	Total Depth of Boring	Depth to Water[1]	Lithologic Description[2] (Observation Notes)	Maximum PID Response, ppm_v (Depth)	Sample Type[3]	Sample ID (Depth)	Analyses[4]	COC Concentrations Greater Than Delineation Criteria
H0295 8/3/99 2nd OWSS CY3	15	5	Fill: 0-6 Sand: 5-15	0	Water	H0295	V, S, M	Arsenic: 11.6 ug/L Lead: 61.7 ug/L
H0280/ S0487 7/17/99 & 8/6/99 2nd OWSS CY 3	16	5	Fill: 0-7 Clay: 7-10 Clay with Sands: 10-12	4.9 (0.5-1)	O,U,F	S0487A3 (1-1.5)	V, S, M, TPH	None
			Sand: 12-16		Water	H0280	V, S, M	Arsenic: 18.2 ug/L Lead: 79 ug/L Nickel: 119 ug/L Vanadium: 121 ug/L
H0279 7/27/99 2nd OWSS CY3	16	5	Fill: 0-9 Clay: 9-16	0	Water	H0279	V, S, M	Lead: 49.6 ug/L Nickel: 120 ug/L
H0278 7/26/99 2nd OWSS CY3	12	6	Fill: 0-7 Clay: 7-12	0	Water	H0278	V, S, M	Lead: 46.4 ug/L
H0275 7/22/99 2nd OWSS CY3	12	4	Fill: 0-11: (abundant floor tile material, sheen on water in core at 6.5-8) Clay: 11-12	13.3 (10-11)	Water	H0275	V, S, M	Antimony: 334 ug/L Arsenic: 131 ug/L Cadmium: 37.3 ug/L Chromium: 284 ug/L Cobalt: 587 ug/L Lead: 7120 ug/L Mercury: 4.48 ug/L Nickel: 261 ug/L Vanadium: 110 ug/L
H0274/ S0486 7/22/99 2nd OWSS CY 3	20	13	Fill: 0-3: (black staining at 1) Clay: 3-13 Silty sand: 13-18	0	P, U, F	S0486A4 (1.5-2)	V, S, M, TPH	None
			Clay: 18-20		Water	H0274	V, S, M	Bis(2ethylhexyl)phthalate: 46 ug/L Vanadium: 132 ug/L

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Boring/ Date/ Report	Total Depth of Boring	Depth to Water[1]	Lithologic Description[2] (Observation Notes)	Maximum PID Response, ppm_v (Depth)	Sample Type[3]	Sample ID (Depth)	Analyses[4]	COC Concentrations Greater Than Delineation Criteria
H0271/ S0484 7/20/99 2nd OWSS CY3	20	13	Fill: 0-4 (trace black liquid along fractured surfaces at 3-3.5) Clay: 4-15 Silty sand: 16-20	58 (2-3)	P, U, N	S0484B3 (3-3.5)	V, S, M, TPH	None
					Water	H0271	V, S, M	Bis(2ethylhexyl)phthalate: 130 ug/L Lead: 283 ug/L

NOTES:

Benzene and benzo(a)pyrene are highlighted in bold because they are indicator constituents of concern (COCs)

Shaded rows indicate samples collected from nearby SWMUs/AOCs

ppm_v = parts per million (volume basis)

All depths referenced on this summary table are in feet below the ground surface.

PID = Photoionization detector.

ID = Identifier.

mg/kg = milligrams per kilogram (equivalent to parts per million).

µg/L = micrograms per liter (equivalent to parts per million).

[1]Depth to water as observed during borehole advancement.

[2]"Fill" encountered within the completed borings was characteristically described as an asphalt layer (typical) underlain by a heterogeneous gravel to clay mixture of unconsolidated materials, ranging in color from tan to gray with occasional construction debris (e.g., brick) present. In some locations, the fill material is further characterized by containing a slag or beaded material, in which case it is noted within the table. Also noted on the table are any other olfactory or visual observations that indicate potential petroleum-type impacts within the fill unit were observed.

[3]P – property boundary, O – on-site, U – unsaturated, S – saturated, F – fill, N – native. "None" indicates that no sample was collected.

[4]V – VOCs, S – SVOCs, M – metals, Pb – lead, TOL – total organic lead, TEL – tetraethyl lead, TPH – Total Petroleum Hydrocarbons; SPLP -- Synthetic Precipitation Leaching Procedure; -Phys. Char. -- physical characteristics.